

KUSTOM

OWNER'S MANUAL

KGA10

Thank you for purchasing the Kustom KGA10 model guitar amplifier. Kustom has listened to musicians throughout the world and stands proudly behind each and every one we make. It was designed with your needs in mind. Feature laden, great sounding, able to adapt to all kinds of music, this amplifier really delivers what you have been looking and waiting for. Whatever style you choose, it's ready!

Kustom, with a 30 year tradition of excellence in design, proudly delivers to you this amp and rewards you with a rugged and dependable amp designed and engineered in the USA. Again, thank you for your purchase. Please take a few minutes to learn about all the professional features that are built in.

SPECIFICATIONS

Model	Power	Equalizer	Channels	Impedance	Effects	Amplifier Type	Dimensions	Weight
KGA10	10 W	Voice	Two	4 Ohms	N/A	Bi-Polar Transistor	9.65"x11.03"x6.3"	9 lbs.
							25x28x16cm.	4.08 kg.

DANGER

EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY TO NOISE INDUCED HEARING LOSS BUT NEARLY EVERYONE WILL LOSE SOME HEARING IF EXPOSED TO SUFFICIENTLY INTENSE NOISE FOR A SUFFICIENT TIME.

THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAS SPECIFIED THE FOLLOWING PERMISSIBLE NOISE LEVEL EXPOSURES:

DURATION PER DAY IN HOURS

8
6
4
3
2
1
1/2 HR. or LESS

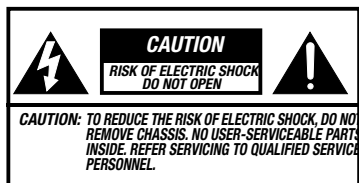
SOUND LEVEL db FLOW RESPONSE

90
93
95
97
100
103
110

ACCORDING TO OSHA, ANY EXPOSURE IN THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS. EAR PLUGS OR PROTECTORS IN THE EAR CANAL OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS. IF EXPOSURE IN EXCESS OF THE LIMITS AS PUT FORTH ABOVE, TO INSURE AGAINST POTENTIALLY HARMFUL EXPOSURE TO HIGH SOUND PRESSURE LEVELS. IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF INDUCING HIGH SOUND PRESSURE LEVELS, SUCH AS THIS AMPLIFICATION SYSTEM, BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

WARNING!

- THIS APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING. NO OBJECTS FILLED WITH LIQUIDS SUCH AS VASES SHALL BE PLACED ON THE APPARATUS.
- TO AVOID ELECTRICAL SHOCK, DO NOT DISASSEMBLE. REFER SERVICING TO QUALIFIED PERSONAL ONLY!



AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.

IMPORTANT

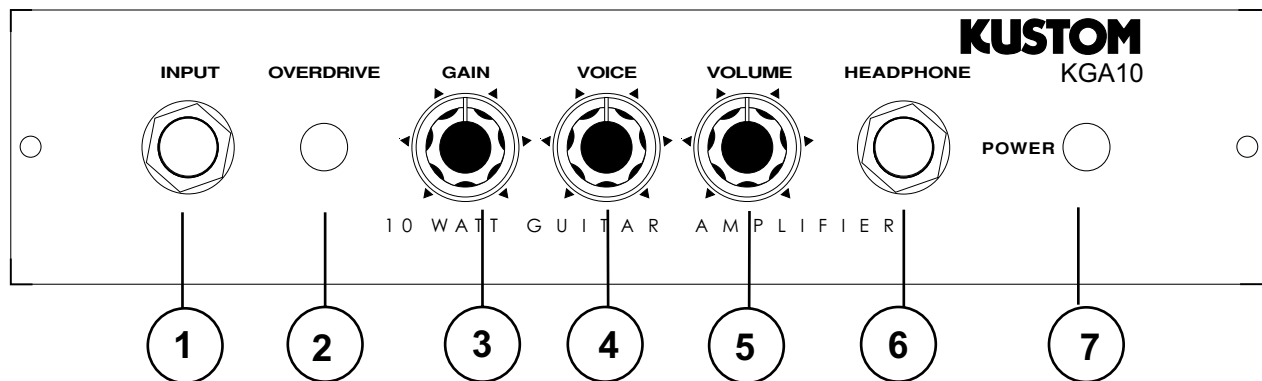
1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water i.e. bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat, such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type indicated on the back of the amplifier near the power supply cord.
9. Do not break off the ground pin of the power supply cord.
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts and vinyl covering may be cleaned with a damp rag.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. This unit should be checked by a qualified service technician if:
 - A. The power supply cord or plug has been damaged.
 - B. Anything has fallen or been spilled into the unit.
 - C. The unit does not operate correctly.
 - D. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work must be done by a qualified service technician for warranty repairs.

CAUTION

THIS AMPLIFIER HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC WHICH MAY REQUIRE OCCASIONAL PEAK POWER. EXTENDED OPERATION AT ABSOLUTE MAXIMUM POWER IS NOT RECOMMENDED SINCE THIS COULD DAMAGE THE ASSOCIATED LOUDSPEAKER SYSTEM. PLEASE BE AWARE THAT MAXIMUM POWER CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE MASTER VOLUME CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

KUSTOM

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1.) Input Jack - this is a 1/4" 2 conductor input jack for plugging in your instrument. It is intended for guitars but will accept other instruments as well.

2.) Drive Switch - this switch turns the overdrive circuit on or off. When engaged the gain control then determines the amount of distortion added to the sound.

3.) Gain - adjust this clockwise to increase the amount of distortion you add to the overdrive signal. Used in the lower ranges of the control, you get a less distorted sound, a "bluesy" tone. As you increase the gain, you add tremendous amounts of distortion to the signal for a harder edged "crunch" tone.

4.) Voice - this is an overall tone control. It is a specifically designed control that in the extreme counter-clockwise position, will give a full bodied sound with lots of midrange tones. By increasing this control, you proceed to boost the bass and treble regions but reduce the midrange content of the sound.

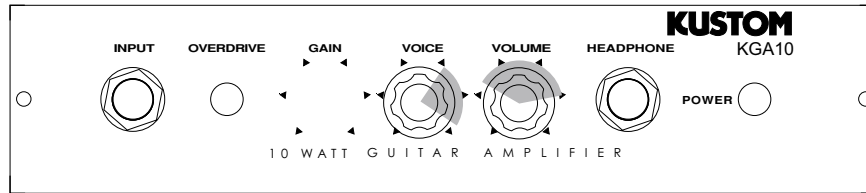
5.) Volume - this control is the output volume control for the entire amplifier. It follows the tone circuit.

6.) Headphone Jack - this is a 1/4" 3 conductor jack for plugging headphones. It will sum the signal and put the sound in both ears, thereby creating a pseudo-stereo sound. Volume will be determined by the volume control on the channel you are on. It will disconnect the internal speaker when plugged in. This will allow quiet practicing.

7.) Power - this switch turns on and off the AC power to the amp.

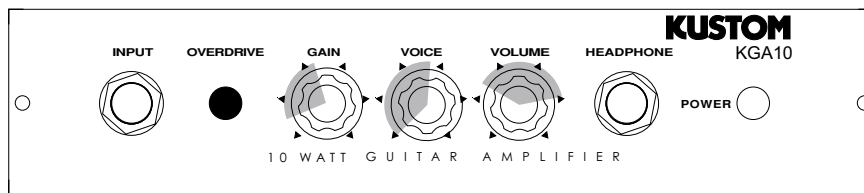
Suggested Settings

(These settings are general starting points. They are designed to get you close to the sound you are looking for. If the control is not shown, then it doesn't apply to this particular sound.)

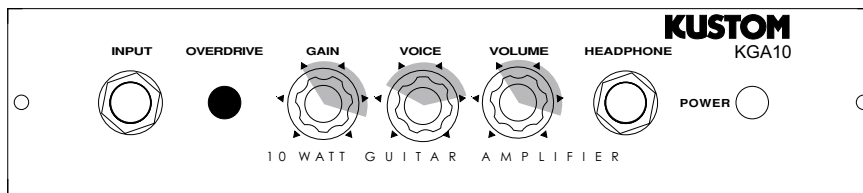


Clean Rhythm or Country Guitar - these settings are the basic clean sounds and for general rhythm guitar, country lead guitar, funky/chunky rhythm sounds. Usually, country guitar is a brighter, more trebly edged sound. The bottom end depends on what type of guitar you are using.

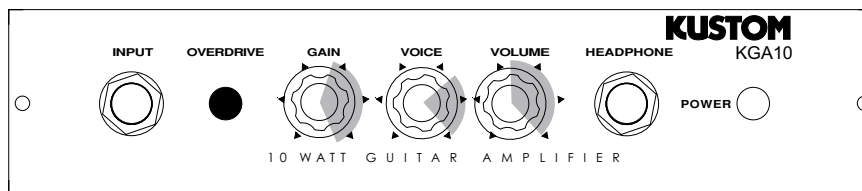
Rhythm guitar is mostly a clean full type of sound. A little less treble than the country sound and a bit more midrange.



Blues Lead or Mellow Crunch - this setting is particularly useful in blues or softer rock songs. It is good for leads as well as rhythm parts. It is good for power chords in back of leads. You need to switch to the lead channel to make these settings work. Blues, depending on the guitar you use, usually adds treble with a bit more midrange and a "fat" bottom end. Not as much gain as full out crunch, adjust the gain control to the amount of distortion you desire.



Alternative/Harder Edged Rock - this setting will deliver more of a cutting tone. Whether used for rhythm or lead sounds, it will "cut" through the drums and get you heard. If you need more "grundle", increase the gain control for more distortion. This style of music requires a slightly thinner, harder edged tone full of midrange.



Heavy Metal/Maximum Crunch - this setting is a good starting point for the "notched out middle" sounds associated with metal and heavy alternative sounds. Adjust the treble and low end to taste. Usually for a rhythm tone, you want to have more lower end and less for leads. Distortion is an integral part of this style of music and this amp delivers it quite well.